

20020216.qrp v02\_n468.qrl.20020216

Date: Sat, 16 Feb 2002 19:03:05 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2468

QRP-L Digest 2468

Topics covered in this issue include:

- 1) [120078] RE: Double Posts ?  
by "Thor, n9ik" <n9ik@qsl.net>
- 2) [120079] Suggestion for gel cell charger?  
by "Adam Nathanson" <adamn@n8software.com>
- 3) [120080] Re: Arkiecon!  
by Ted Kell <tedkell@ev1.net>
- 4) [120081] Re: Suggestion for gel cell charger?  
by "Dave" <wr3i@earthlink.net>
- 5) [120082] Re: Double Posts ?  
by "Pat J. Whelton" <pwhelton@hal-pc.org>
- 6) [120083] RE: Suggestion for gel cell charger?  
by "Kory Hamzeh" <kory@avatar.com>
- 7) [120084] Re: Suggestion for gel cell charger?  
by "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
- 8) [120085] Gap verticals especially the Titan DO PERFORM WELL, (from an owner)  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 9) [120086] Dremel drill press for PCB  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 10) [120087] Pc Boards Got em ! but No Knowledge  
by "Dave" <wr3i@earthlink.net>
- 11) [120088] Re: K1 Mojo? I'm a believer!  
by "Gary O. Lyons" <drgary@urx.com>
- 12) [120089] Re: K1 Mojo? I'm a believer!  
by "Dave" <wr3i@earthlink.net>
- 13) [120090] RFI decoupling a switcher  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 14) [120091] CW Trainer for Linux now available  
by John Wagner <john@wagner-usa.net>
- 15) [120092] Google LIVES!  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 16) [120093] Re: Suggestion for gel cell charger?  
by "Kevin M." <adverseyaw@twmi.rr.com>
- 17) [120094] Re: Suggestion for gel cell charger?  
by "Mike Yetsko" <myetsko@insydesw.com>
- 18) [120095] Re: RFI decoupling a switcher  
by Arth Silvers <w6ags@arrl.net>
- 19) [120096] Re: VX5ZX

- by Bruce Rattray <rattray@gpfn.sk.ca>
- 20) [120097] Re: Suggestion for gel cell charger?  
by Bob Nielsen <nielsen@oz.net>
- 21) [120098] RE: PTO discussion - ruminations  
by Nick Kennedy <nkennedy@tcainet.net>
- 22) [120099] KD1JV Does it again  
by "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
- 23) [120100] Re: PTO Ideas,Etc.  
by George Gingell <k3tks@u1.abs.net>
- 24) [120101] Re : IRCs  
by "Anil" <vu2tri@yahoo.com>
- 25) [120102] Re: Google LIVES!  
by "Dave Fifield" <dave@redhotradio.com>
- 26) [120103] Re GAP Verticals  
by Joseph Mikuckis <k3chp@erols.com>
- 27) [120104] Fwd: 2 way QRP DX  
by "Ingo, DK3RED" <dk3red@t-online.de>
- 28) [120105] mrf476  
by "DWAYNE BARBEE" <ke4rvt@hotmail.com>
- 29) [120106] Re: mrf476  
by Chuck Carpenter <w5usj@9plus.net>
- 30) [120107] Re: Suggestion for gel cell charger?  
by "Karl F. Larsen" <k5di@zianet.com>
- 31) [120108] Re: Double Posts ?  
by "John Dorson" <jdorson@Worldshare.net>
- 32) [120109] Re: Suggestion for gel cell charger?  
by Alex <kr1st@amsat.org>
- 33) [120110] Re: Suggestion for gel cell charger?  
by "Dave" <wr3i@earthlink.net>
- 34) [120111] AT on Saturday  
by "Ron Polityka" <wb3aal@fast.net>
- 35) [120112] NiMH AA cells, capacity test report  
by "Ron McConnell" <rcmcc@earthlink.net>
- 36) [120113] How/Where to buy used qro rig?  
by Jim Durkin <jimdurkin@yahoo.com>
- 37) [120114] Re: Suggestion for gel cell charger?  
by "DTX" <dtx@wood.tzo.com>
- 38) [120115] battery charger kit  
by Jim - qrp/cw <kw3u@warwick.net>
- 39) [120116] Re: Suggestion for gel cell charger?  
by WE7X@aol.com
- 40) [120117] Re:Press n Peel  
by Brad Mitchell <n8yg@yahoo.com>
- 41) [120118] FT-100/PSK31 Help Needed  
by Monte Stark <ku7y@qsl.net>
- 42) [120119] Re: How/Where to buy used qro rig?  
by "Dave" <wr3i@earthlink.net>
- 43) [120120] Re: 2 way QRP DX

- by "ukii" <ukii@core.com>
- 44) [120121] Responses to Where/How to buy used qro gear  
by Jim Durkin <jimdurkin@yahoo.com>
- 45) [120122] Automatic Gel Cell Chargers  
by "James R. Duffey" <jamesd1@flash.net>
- 46) [120123] RE: [Elecraft] Grounding & Receivers  
by "Frank Emens" <femens@hiwaay.net>
- 47) [120124] Re: Suggestion for gel cell charger?  
by Bob Nielsen <nielsen@oz.net>
- 48) [120125] Need help finding Mary Cherry and Mike Czuhajewski  
by PDouglas12@aol.com
- 49) [120126] Quiz  
by "Howard Kraus" <K2UD@adelphia.net>
- 50) [120127] Re: Quiz  
by "Dave" <wr3i@earthlink.net>
- 51) [120128] FS Keyer  
by fcsww@juno.com
- 52) [120129] A question for "G" stations?  
by "Dave" <wr3i@earthlink.net>
- 53) [120130] If I'd known it was this easy...  
by "P.Ermisch" <ermisch@usa.net>
- 54) [120131] Re: Suggestion for gel cell charger?  
by Alex <kr1st@amsat.org>
- 55) [120132] Re: A question for "G" stations?  
by "Tony Fishpool" <tonyg4wif.fsnet.co.uk>
- 56) [120133] Re: Suggestion for gel cell charger?  
by Alex <kr1st@amsat.org>
- 57) [120134] Re: A question for "G" stations?  
by "Dave" <wr3i@earthlink.net>
- 58) [120135] Re: A question for "G" stations?  
by "Tony Fishpool" <tonyg4wif.fsnet.co.uk>
- 59) [120136] Re: A question for "G" stations?  
by "Charles Mabbott" <aa8vs@msn.com>
- 60) [120137] FOX: Cub Fox Web Page  
by "Karl F. Larsen" <k5di@zianet.com>
- 61) [120138] JAN QQ  
by DENNIS SMITH <ne4o@swbell.net>
- 62) [120139] Counterpoise  
by Alex <kr1st@amsat.org>
- 63) [120140] Re: Double Posts ?  
by "pschweit" <pschweit@mninter.net>
- 64) [120141] Re: Ron WB3AAL on 10.106 at 1905 UTC  
by "Ron Polityka" <wb3aal@fast.net>
- 65) [120142] NiMH AA cells, capacity test report, more info  
by "Ron McConnell" <rcmcc@earthlink.net>
- 66) [120143] Re: Counterpoise  
by "Dave" <wr3i@earthlink.net>
- 67) [120144] anyone using magnetic loops?

by Michael Goins <mgoins@usa.net>  
68) [120145] RF parts for sale  
by David Snowdon <norway@passport.ca>

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Date: Fri, 15 Feb 2002 18:03:27 -0600  
From: "Thor, n9ik" <n9ik@qsl.net>  
To: <alanfryer@email.msn.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [120078] RE: Double Posts ?  
Message-ID: <NEBBLNLOELOIHIEKHCPAKECHCNAA.n9ik@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

I get them off and on, sometimes with the dupe coming a day or even two later. Also, for the past two days I've been getting some, but not all, of the posts a full day after they're sent by the poster.

Strange....

N9IK

~

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> N3BJ  
> Sent: Friday, February 15, 2002 5:28 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Double Posts ?  
>  
>  
> Anyone else getting double posts from QRP-L or is it just me ?  
>  
> Alan, N3BJ  
>

-----  
Date: Fri, 15 Feb 2002 16:14:52 -0800  
From: "Adam Nathanson" <adamn@n8software.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [120079] Suggestion for gel cell charger?  
Message-ID: <227101c1b67e\$f4bdab90\$fb057942@adamsdell>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have two 12V 2AH gel cells and am wondering what I can use to charge them.

Any kits out there or low-cost commercial products that would work?

73,

Adam N.  
N4EKV  
Oakland, CA

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Date: Fri, 15 Feb 2002 18:35:22 -0600  
From: Ted Kell <tedkell@ev1.net>  
To: jamesd1@flash.net,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Cc: HQRP <hqrp@stevens.com>  
Subject: [120080] Re: Arkiecon!  
Message-ID: <200202151836758.SM00137@default>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

We might want to contact the motel mgmt about this this year. As I recall, they were sorta surprised to find us in there.  
I hope to see you there again.

N3Ted

2/14/02 9:39:53 PM, "James R. Duffey" <jamesd1@flash.net> wrote:

>I was excited to see Jay's announcement of Arkiecon! You can't beat the  
>southern hospitality offered by the Ft. Smith QRP group. It is one of my  
>favorite QRP gatherings.

>

>I am planning on being there. Until you have had turkey fries and fried  
>pickles at the Rib Eye you haven't lived!!!

>

>If there is enough interest I will bring some of my audio filters for people  
>to hear and use on Saturday night. Nick suggested that he would listen to me  
>pontificate over a stout at the Rib Eye, but the Rib Eye is a bit crowded  
>for that. However we did have a nice group at the meeting room in the Motel  
>after dinner last year, so maybe we could do a panel or something there  
>after dinner? Q&A session or something.

>

>If Dave Gauding shows up, he Doug and I can do a presentation on how the  
>Marx Brothers tune an antenna!

>

>If you are within a days drive of Ft.Smith and interested in QRP, I heartily  
>recommend that you attend. The accompanying hamfest has a good swap, and it  
>is always easy to rustle up a game of hearts in the quite moments. See you  
>there? - Dr. Megacycle KK6MC/5

>--

>James R. Duffey KK6MC/5

>Cedar Crest, NM DM65

>

>

>

-----  
Date: Fri, 15 Feb 2002 19:39:07 -0500  
From: "Dave" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,  
adamn@n8software.com  
Subject: [120081] Re: Suggestion for gel cell charger?  
Message-ID: <3C6D63DB.13253.1C9588@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

I would think ant charger that would provide about 10% of total  
rating will do for slow charge i think that would be about 200  
milliamps  
dave

-----  
Date: Fri, 15 Feb 2002 19:05:41 -0600  
From: "Pat J. Whelton" <pwhelton@hal-pc.org>  
To: <alanfryer@email.msn.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [120082] Re: Double Posts ?  
Message-ID: <00a401c1b686\$0f7b5b60\$dafbfea9@halpc.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Got a pot full of them yesterday. None today.

<http://u1.netgate.net/~kirby34/rsg/wheltonp.htm>

----- Original Message -----

From: "N3BJ" <alanfryer@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Friday, February 15, 2002 5:28 PM  
Subject: Double Posts ?

> Anyone else getting double posts from QRP-L or is it just me ?  
>  
> Alan, N3BJ  
>  
>

-----  
Date: Fri, 15 Feb 2002 17:08:23 -0800  
From: "Kory Hamzeh" <kory@avatar.com>  
To: <adamn@n8software.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [120083] RE: Suggestion for gel cell charger?  
Message-ID: <003301c1b686\$6e688120\$14ce21c7@avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Adam,

I found a very nice automatic charger for gel cells at Fry's electronics.  
I'm pretty sure that have a store in or near Oakland.

I also have the A & A charger that worked very nice. It is available either  
in kit form or fully assembled.

73,

Kory  
AC6RN

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Adam Nathanson  
> Sent: Friday, February 15, 2002 4:15 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Suggestion for gel cell charger?  
>  
>  
> I have two 12V 2AH gel cells and am wondering what I can use to  
> charge them.  
>  
> Any kits out there or low-cost commercial products that would work?  
>  
>  
>  
> 73,  
>  
> Adam N.  
> N4EKV  
> Oakland, CA  
>  
>  
>

-----  
Date: Fri, 15 Feb 2002 20:10:42 -0500  
From: "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>  
To: <adamn@n8software.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [120084] Re: Suggestion for gel cell charger?  
Message-ID: <002f01c1b686\$f64e8b20\$7107153f@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For simply charging them (need to be careful that you don't overcharge etc.)  
I bought a wall wart charger from Tower Hobbies which seems to work FB.  
There are some other kits etc also available (do a web search).

Bruce  
ag4ny  
Gibsonville NC

----- Original Message -----



From: Adam Nathanson <adamn@n8software.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Friday, February 15, 2002 7:14 PM  
Subject: Suggestion for gel cell charger?

> I have two 12V 2AH gel cells and am wondering what I can use to charge them.

>

> Any kits out there or low-cost commercial products that would work?

>

>

>

> 73,

>

> Adam N.

> N4EKV

> Oakland, CA

>

>

>

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Date: Fri, 15 Feb 2002 19:22:47 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@Lehigh.EDU>  
Subject: [120085] Gap verticals especially the Titan DO PERFORM WELL, (from an owner)  
Message-ID: <007301c1b688\$71165120\$4e100a0a@rohredt2000>

Bob,  
Thanks for saying up front you do not have any experience with the Gap Titan. I do, I own one, and have helped others put up several Gap models. They work.

Those guys who presented at Dayton were found by Force 12 (I believe it was), to be working for a certain antenna company who is called the Granite Antenna Co. by Kurt Sterba as I recall. Anyway, they had a slanted view shall we say? Didn't they have great things to say about Cushcraft? I had a friend who replaced his R7 with a Titan after a couple of wind storms carried away parts of his 7, and the flimsy base set screw mounting arrangement kept coming off his mast. We actually modified it to a U bolt mount the original mount was so unreliable.

The Gap (and others) marketing aside, the antenna principle is quite sound, and these are widely used in South America for MF broadcasting as the class

of antennas known as "Asymmetric Vertical Dipoles" IEEE publications on antennas had a good paper on them, and their increased signal over quarter wave conventional monopoles common in MF broadcasting in USA, and many other places. Gap uses the time honored stub linear decoupler to shorten the antenna for the higher bands in place of lossy traps. If you want some snake oil claims how about the vertical maker who has prominent open wire coils and fixed ceramic caps in his vertical and says it is not a 'trap'. Also, see his obviously derogatory "Dirty Little Secrets" pamphlet. Butternut and others have all, shall we say, been verbose.

But the answer is in the performance. My Titan has triple walled base section tubing that helped it survive outflow winds from a tornado that took trees on either side of my lot. It later survived another straight line winds storm that snapped shorter trees in the same yard, and a double tree twice its height just in the side yard from it. It came out without any damage.

The DX it pulls in at 50 watts or QRP is consistent. Now, a vertical normally does not work well in state, or short skip, but I have had my share of that with the Titan. It is used to check into the Texas statewide 80m ARES net, and state Civil Defense nets. It regularly relays for the Hurricane nets, when the Caribbean is skipping over the East Coast and they wish to get a message to East Coast NCS.

I did add nylon guys to mine, since we have so many wind storms. It moves around in the wind at its top, but stays up, which is all I ask of any antenna.

Vertical dipoles are great antennas, and Force 12 now has a triband one also. Theirs are near full size, which of course is a problem below 20m. However, if one was skilled with metal, I think a tubing and wire multiband vertical full size dipole for each band 40 and up could be home built with excellent DX properties.

Also, the Gap elevated feed has the coax feeder coming sleeved inside lower dipole section. This imparts an added benefit of suppressing the noise picked up by many quarter wave verticals feedlines. The noise which is vertically polarized, is choked off by the shielding provided by the element around the coax. McCoy first noticed this in his review of the predecessor to the Titan, but it was the same feed arrangement, and one of the things I noticed on my Titan over my Hy Gain vertical at the same elevation.

I also had good service from Gap, when UPS shipping damaged my package of Gap components and in fact UPS lost a bag of hardware, and taped up the box and delivered it without telling me they had damaged it. When I did an inventory of the parts, I came up short. Gap had me file a claim with UPS, and promptly sent the missing parts at no charge. They have discounts at ham shows, so at Dayton you might get some off the list price. They will

drop ship to your home, so that is not a problem, you do not have to carry a 25 foot vertical on the plane! Of course, for shipping it breaks down into about a 10 foot box.

72,

Stuart K5KVH

-----  
Date: Fri, 15 Feb 2002 19:29:16 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <kd5aad2000@yahoo.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [120086] Dremel drill press for PCB  
Message-ID: <007f01c1b689\$5985a4b0\$4e100a0a@rohredt2000>

Mike,

Back when the research lab did their own printed circuit prototype boards, that is what we used for drilling boards for about 5 years. Worked fine with carbide bits and high speeds. You have to measure the component leads and select a bit to clear the wire size of the lead.

GL and 72,

Stuart K5KVH

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Date: Fri, 15 Feb 2002 20:31:52 -0500  
From: "Dave" <wr3i@earthlink.net>  
To: qrp-1@lehigh.edu  
Subject: [120087] Pc Boards Got em ! but No Knowledge  
Message-ID: <3C6D7038.24914.4CE264@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Groupe I am new to pc board making in fact never done it. However A long time ago I picked up some Kepro copper clad laminate in sealed bags that say they have dfd type developer included i also have about two rolls of reversing film but that's all I have...so my question is where can I get a step by step process for making boards using this stuff I already have and maybe picking up chemicals or whatever

Thanks

Dave W1QB

-----  
Date: Fri, 15 Feb 2002 17:47:25 -0800  
From: "Gary O. Lyons" <drgary@urx.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [120088] Re: K1 Mojo? I'm a believer!  
Message-ID: <000301c1b68b\$e3e79940\$7bd56bce@GLyons>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well done Dave.

I know Walt/K8CV already took the "me too" line but all of us K1 builders can say that.

Just wait until you get it on the air and find out what it can really do. I finished K1-4 #933 last December and have carried it with me for 25,000 airline miles and had a ball with it motel portable. And, it is a nice little rig here in the shack.

Enjoy!!!!

Gary/NQ7T

-----  
Date: Fri, 15 Feb 2002 20:56:47 -0500  
From: "Dave" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
        drgary@urx.com  
Subject: [120089] Re: K1 Mojo? I'm a believer!  
Message-ID: <3C6D760F.2233.63B178@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

And what antenna did you use Prey tell?  
dave

-----  
Date: Fri, 15 Feb 2002 20:02:53 -0600  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <w6ags@arrl.net>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [120090] RFI decoupling a switcher  
Message-ID: <00c401c1b68e\$0bb950b0\$4e100a0a@rohredt2000>

Arth.

Try putting the ferrite cores used for reducing interference to CRTS on the leads coming from the Radio Shack switcher, and use twisted wire leads to the rig at least, and shielded twisted pair may work even better.

GL and 72,  
Stuart K5KVH

-----  
Date: Fri, 15 Feb 2002 21:08:54 -0500  
From: John Wagner <john@wagner-usa.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [120091] CW Trainer for Linux now available  
Message-ID: <3C6DBF36.14DEE3DE@wagner-usa.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If you have no interest in Linux software, delete now...

Gang,

I'm pleased to announce the availability of a Linux based CW Trainer w/GUI. I was inspired by Ray Goff's, G4FON's generosity in providing me with the source code to his Koch CW Trainer.

I took a function of Rays (with permission of course) as well as some of his design and created a Linux based CW trainer.

This trainer does not restrict you to using the Koch or Farnsworth method rather it supports both. It also allows you to read in any text file and play it back as CW. You can adjust both the Character Speed and the Character Spacing on the fly.

Version 0.01 is very rough. It works, it compiles clean, but if you look inside it's pretty loose. I wrote it over two or three nights in my copious spare time. However I felt it important to get some easily usable CW software for Linux out there. Oh yeah, the timing isn't exactly perfect - but it's close. I ran a few trial versions past Karl, K5DI and he reports that it works on his system. Karl also gave me quite a few suggestions for the future of the program.

To compile the program you will need the QT development libraries. I use v2.3.1 - other version may or may not work. I've also posted a dynamically linked binary so those with just the QT runtime libraries can run the program. Do download the source distribution though to get the doc files. You will also need a linux system with /dev/dsp sound support.

Again, this is a rough cut. I will be working on a better internal design as well as adding features over the coming months.

The web page for the software is at:  
<http://www.qsl.net/kb1ens/cwtrainer/>

Source Download:  
<http://www.qsl.net/kb1ens/cwtrainer/cwtrainer-001.tar.gz>

Screenshot:  
<http://www.qsl.net/kb1ens/cwtrainer/screenshot-001.jpg>

cwtrainer is released under the GPL. Contributions in the form of suggestions and/or source code are appreciated.

Enjoy es 73,

John, N1Q0

--

John Wagner - [john@wagner-usa.net](mailto:john@wagner-usa.net)  
Web page: <http://www.neknetwork.com>

-----  
Date: Fri, 15 Feb 2002 20:10:20 -0600  
From: "Stuart Rohre" <[rohre@arlut.utexas.edu](mailto:rohre@arlut.utexas.edu)>  
To: "Karl F. Larsen" <[k5di@zianet.com](mailto:k5di@zianet.com)>  
Cc: <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [120092] Google LIVES!  
Message-ID: <00ca01c1b68f\$16258220\$4e100a0a@rohredt2000>

Karl,  
Better check your ISP!  
Google is alive and well, and tells me there are 716,000 hits when I type the keyword "antennas".  
Wow!  
Stuart K5KVH

-----  
Date: Fri, 15 Feb 2002 21:10:31 -0500  
From: "Kevin M." <adverseyaw@twmi.rr.com>  
To: <adamn@n8software.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [120093] Re: Suggestion for gel cell charger?  
Message-ID: <004f01c1b68f\$1ccba050\$1a751d41@magnus>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Adam,  
I just finished Bob Lewis' SLA Battery Charger from the May 2001 QST.  
It works FB. I would recommend it. I used junkbox parts for most of it  
and got the price down to around \$10 including the case and 2.5v  
reference diode. I made my own (using press-n-peel), but Far circuits  
has the board for it.  
If you are a member of ARRL the pdf file is on the site.  
Kevin, KC8SFJ

----- Original Message -----  
From: "Adam Nathanson" <adamn@n8software.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, February 15, 2002 7:14 PM  
Subject: Suggestion for gel cell charger?

> I have two 12V 2AH gel cells and am wondering what I can use to charge  
them.  
>  
> Any kits out there or low-cost commercial products that would work?  
>  
>  
>  
> 73,  
>  
> Adam N.  
> N4EKV  
> Oakland, CA  
>  
>  
>

Date: Fri, 15 Feb 2002 21:24:29 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [120094] Re: Suggestion for gel cell charger?  
Message-ID: <008501c1b691\$373025e0\$0600a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have the Radio Shack charger that was a 'remark' from Maha that does NiCad, NiMH, and lead-acid. It was about \$49 or so. You see the things still in the front of QST a lot. Anyway, I wonder... Would that thing work on Gel Cells?

Mike

-----  
Date: Fri, 15 Feb 2002 18:17:16 -0800  
From: Arth Silvers <w6ags@arrl.net>  
To: Stuart Rohre <rohrer@arlut.utexas.edu>  
Cc: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [120095] Re: RFI decoupling a switcher  
Message-ID: <3C6DC12C.4628576B@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks, Stuart, for the suggestions. The leads are not shielded but are twisted. The ferrite cores sound like they may be worth a try. I've got some ferrite beads. May give them a try first then locate some cores if the beads don't work.

Tnx agn es 72,  
Arth W6AGS

Stuart Rohre wrote:

> Arth.  
> Try putting the ferrite cores used for reducing interference to CRTS on the  
> leads coming from the Radio Shack switcher, and use twisted wire leads to  
> the rig at least, and shielded twisted pair may work even better.  
> GL and 72,  
> Stuart K5KVH



-----  
Date: Fri, 15 Feb 2002 21:15:30 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Kenneth Hoglund <hoglund@wfu.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [120096] Re: VX5ZX  
Message-ID: <Pine.LNX.4.33.0202152115160.20215-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Look under VE5ZX...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Fri, 15 Feb 2002, Kenneth Hoglund wrote:

> I worked this call toward the tail end of the Fireside Sprint last  
> weekend, but haven't been able to find an address to send the qsl card  
> to. Did anyone else find this op?  
>  
> 73  
> Ken KG4FGC  
>

-----  
Date: Fri, 15 Feb 2002 19:17:33 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [120097] Re: Suggestion for gel cell charger?  
Message-ID: <20020216031733.GB22045@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Fri, Feb 15, 2002 at 04:14:52PM -0800, Adam Nathanson wrote:  
> I have two 12V 2AH gel cells and am wondering what I can use to charge them.  
>

> Any kits out there or low-cost commercial products that would work?  
>

A few weeks ago Radio Shack had their universal charger (which appears to be the same as the Maha C-777 on closeout for \$30. There may still be a few left at some of the stores.

I have also used the Harbor Freight float chargers on small gel cells with no problems.

Bob, N7XY

-----  
Date: Fri, 15 Feb 2002 21:30:15 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'nn1g@earthlink.net'" <nn1g@earthlink.net>,  
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [120098] RE: PTO discussion - ruminations  
Message-ID: <01C1B667.F632DDE0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Congrats. You have qualified as a finalist for the amateur radio "poetry in ordinary prose" sweepstakes.

72--Nick/WA5BDU

-----Original Message-----  
From: Dave Benson [SMTP:nn1g@earthlink.net]

[ Me? I love the old Velvet Vernier dials- the big ones that make you feel like controlling water flow at Hoover Dam when you turn the knob.

73- Dave Benson, K1SWL

-----  
Date: Fri, 15 Feb 2002 23:22:50 -0500  
From: "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>

To: QRP-1 <qrp-1@Lehigh.EDU>  
Cc: kd1jv@moose.nica.net  
Subject: [120099] KD1JV Does it again  
Message-ID: <5.1.0.14.0.20020215231949.00a43380@mail.tjarey.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii; format=flowed  
Content-transfer-encoding: 7BIT

I finally had a free evening to build Steve "Melt Solder" Weber's RF Power Meter Kit. What a neat toy!!! I think I ended up running around the shack plugging every rig I had into it just to see the digits light up. A very elegant design. What's next Steve???

+++++

T.J. "SKIP" AREY N2EI

Specialization is for insects! LAZARUS LONG

-----

Date: Fri, 15 Feb 2002 23:21:12 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: QRP List <qrp-1@Lehigh.EDU>  
Subject: [120100] Re: PTO Ideas,Etc.  
Message-ID: <20020215231054.W43286-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

All of this talk about PTO's reminds me of why I was saving those old Car radios. Tunable IF with PTO. The Real Plus is that you have 5 or 6 "Push Button Selectable Frequencies"

Why is that Old things are always so Fascinating? HRO Dials and National Velvet Dials also come to mind.

OBTW Brass Slugs are a cinch to make, Just use Threaded Rod and Brass Telescoping Tubing. Both available at your local Hobby Shop. K&S Metals.

The Brass Tubing is also a Solution to using Very Small Bits in the Drill Press. Insert them into the Brass Tubing and lightly crimp. Actually you can dip the tubing into flux slip in the bit heat and sweat solder it into the brass sleeve. Best way is put the bit in a vise and slip the Brass tubing down onto it as you heat it. Dont want to lose temper on bit.

You can also Use one of the Pin Vises in the Drill Press. Better Yet Use

Dremel Collet in Drill Press.

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
Former QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Commercial Locksmith Services (301) 572-6789 Office & Fax  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

-----  
Date: Sat, 16 Feb 2002 11:35:45 +0530  
From: "Anil" <vu2tri@yahoo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [120101] Re : IRCs  
Message-ID: <001301c1b6b1\$413455a0\$5c30003d@anil>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

IRCs for sale  
One IRC for One US\$  
Postage free.  
73s  
Anil  
VU2TRI

-----  
Do You Yahoo!?  
Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Sat, 16 Feb 2002 01:17:38 -0800  
From: "Dave Fifield" <dave@redhotradio.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [120102] Re: Google LIVES!  
Message-ID: <002b01c1b6ca\$c782ed60\$0500a8c0@AD6A>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Stuart - knock the "s" off the end and do a search on  
"antenna" and you'll get "about 1,910,000 hits"!

72, Dave, AD6A

> Google is alive and well, and tells me there are 716,000 hits when I type  
> the keyword "antennas".  
> Wow!  
> Stuart K5KVH

-----  
Date: Sat, 16 Feb 2002 05:21:42 -0500  
From: Joseph Mikuckis <k3chp@erols.com>  
To: qrp-l@lehigh.edu  
Subject: [120103] Re GAP Verticals  
Message-ID: <3C6E32B6.249C@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wow! Twenty-two replies re my request for opinions re GAP verticals.  
What a group! It was very helpful and very much appreciated. Tnx again.

Joe, K3CHP  
Riverdale, MD

-----  
Date: Sat, 16 Feb 2002 12:10:46 +0100  
From: "Ingo, DK3RED" <dk3red@t-online.de>  
To: QRP-L <qrp-l@lehigh.edu>

Subject: [120104] Fwd: 2 way QRP DX  
Message-ID: <3C6E3E36.DFDA0D11@t-online.de>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

----- Original Message -----

Betreff: [GQRP] 2 way QRP DX  
Datum: Sat, 16 Feb 2002 08:25:30 -0000  
Von: "Steven Taylor" <Steve.P.Taylor@btinternet.com>

Hi All

As a member of the team that will activate Mellish Reef ( using the call VK9ML ) from 12 - 22 April 2002, I have negotiated to include some QRP activity towards the end of the DXpedition, when conditions allow.

This will consist of reducing the power output at VK9ML to 5W to allow QRPers the opportunity of having a two way QRP QSO with this rare DXCC country/entity.

I will identify when the station is running QRP, but apart from that the operation will be as normal, on the normal DXpedition frequencies (see website <http://www.qsl.net/vk9ml/2002/> ), and will be taking all comers.

I will of course be digging deep to copy the small signals throughout the DXpedition (D68C style)

If this is successful, we may see this type of operation becoming a regular feature of DXpeditions.

See you in the pileup!

73 Steve, G4EDG G-QRP # 892

Perhaps if you subscribe to other QRP reflectors you could pass this information on.

[Non-text portions of this message have been removed]

=== Via the mailing list of the GQRP Club [www.gqrp.com](http://www.gqrp.com) ===

Your use of Yahoo! Groups is subject to <http://docs.yahoo.com/info/terms/>

-----

Date: Sat, 16 Feb 2002 07:14:34 -0500  
From: "DWAYNE BARBEE" <ke4rvt@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [120105] mrf476  
Message-ID: <F43m06Vyno8jtlNc1Yr0000cedb@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

what is the pinout for the mrf476?

thanks,  
dwayne ke4rvt  
qrp-l 2201

---

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

---

Date: Sat, 16 Feb 2002 06:19:56 -0600  
From: Chuck Carpenter <w5usj@9plus.net>  
To: ke4rvt@hotmail.com,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [120106] Re: mrf476  
Message-ID: <3.0.2.32.20020216061956.006a3e18@mail.9plus.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Dwayne,

Here's a website I found using Google that will tell you most anything you need to know about this part. Standard T0220 case

<http://members.tripod.com/~malzev/comp/mrf476.htm>

>what is the pinout for the mrf476?

>

>thanks,

>dwayne ke4rvt

>qrp-l 2201

Chuck Carpenter, W5USJ, Point, Rains Co, TX EM22cv, NE-TX QRP #1

-----  
Date: Sat, 16 Feb 2002 05:52:57 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Adam Nathanson <adamn@n8software.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [120107] Re: Suggestion for gel cell charger?  
Message-ID: <Pine.LNX.4.33.0202160549340.1539-1000000@Daisy.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I bought from Radio Shack a 4.5 amp-hour gel cell in a nice nylon carrying case that is charged with a 500 MA wall wort. I charge the battery over night and it seems to be fully charged.

In my trailer I just plug it in to the solar panel/battery of the trailer and let it charge up. One day does it.

On Fri, 15 Feb 2002, Adam Nathanson wrote:

> I have two 12V 2AH gel cells and am wondering what I can use to charge them.  
>  
> Any kits out there or low-cost commercial products that would work?  
>  
>  
>  
> 73,  
>  
> Adam N.  
> N4EKV  
> Oakland, CA  
>  
>  
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Sat, 16 Feb 2002 08:11:13 -0500  
From: "John Dorson" <jdorson@Worldshare.net>



To: <alanfryer@email.msn.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [120108] Re: Double Posts ?  
Message-ID: <004801c1b6eb\$6c941b60\$dd90f4d1@atwork>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I still get them but not as many as before.

John K2JHU..

----- Original Message -----

From: "N3BJ" <alanfryer@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, February 15, 2002 6:28 PM  
Subject: Double Posts ?

> Anyone else getting double posts from QRP-L or is it just me ?  
>  
> Alan, N3BJ  
>

-----  
Date: Sat, 16 Feb 2002 08:24:27 -0500  
From: Alex <kr1st@amsat.org>  
To: myetsko@insydesw.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [120109] Re: Suggestion for gel cell charger?  
Message-ID: <3C6E5D8B.4CA3FAE7@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I asked Maha a while back if their C-777 charger was suitable for gel cells. They said they're for NiCd and NiMH only and can not be used for gel cells.

73s,  
--Alex

Mike Yetsko wrote:

>  
> I have the Radio Shack charger that was a 'remark' from Maha that does

> NiCad, NiMH, and lead-acid. It was about \$49 or so. You see the things  
> still in the front of QST a lot. Anyway, I wonder... Would that thing  
> work  
> on Gel Cells?  
>  
> Mike

-----  
Date: Sat, 16 Feb 2002 08:40:38 -0500  
From: "Dave" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>, kr1st@amsat.org  
Subject: [120110] Re: Suggestion for gel cell charger?  
Message-ID: <3C6E1B06.32718.559054@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

How does the charger know what battery is on the end?  
Dave

-----  
Date: Sat, 16 Feb 2002 09:04:03 -0500  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>  
Subject: [120111] AT on Saturday  
Message-ID: <012c01c1b6f2\$cb249e00\$f2e65cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

Well I am packing now for my trip later. I am trying out a few new items which I plan to unveil at my talk in Atlanticon 2002 in April.

Ed, WA3WSJ is going to hike with me, not sure if he will be on the air since he likes to explore the areas we are in.

I should be leaving the homestead around 15:30 UTC.  
I could be on the air between 17:00 UTC and 18:00 UTC.

Since there is a Major CW DX Contest going on and

QSO's in a contest do not count. You will find me on the following frequencies.

10.106 +/-      18.069 +/-      24.906 +/-

I will be using my K2 for the last time on the AT since my K1 is not complete at this time.

I might be out until 20:00 UTC, it depends on the wx and QSO's rate.

72 & 73  
Ron Polityka  
WB3AAL  
www.n3epa.org

-----  
Date: Sat, 16 Feb 2002 09:12:16 -0500  
From: "Ron McConnell" <rcmcc@earthlink.net>  
To: "NJQRP" <njqrp@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>, "HFPAck" <hfpack@yahooogroups.com>,  
Subject: [120112] NiMH AA cells, capacity test report  
Message-ID: <003301c1b6f3\$f110c200\$e916a441@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Found on the sci.geo.satellite-nav GPS newsgroup:  
Interesting test report and discussion  
on the capacity of different brands of NiMH AA cells:  
    Watt-hours vs. mAH, charging techniques, etc.  
It's aimed toward high current (>1A peak)  
digital camera use, but is of interest  
to powering qrp rigs and trying to estimate  
the \_real\_ capacity of that AA battery pack  
in real life use as opposed to advertising.

<<http://www.imaging-resource.com/ACCS/BATTS/BATTS.HTM>>

Cheers, 73,

Ron McConnell  
w2iol

-----  
Date: Sat, 16 Feb 2002 07:15:16 -0800 (PST)  
From: Jim Durkin <jimdurkin@yahoo.com>  
To: qrp-1@lehigh.edu  
Subject: [120113] How/Where to buy used qro rig?  
Message-ID: <20020216151516.85436.qmail@web13003.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Wanting to buy a used qro rig. Any advice on where to  
find them besides hamfests? Any good websites?  
Tnx and 73  
Jim kt4a

-----  
Do You Yahoo!?  
Yahoo! Sports - Coverage of the 2002 Olympic Games  
<http://sports.yahoo.com>

-----  
Date: Sat, 16 Feb 2002 07:59:31 -0800  
From: "DTX" <dtx@wood.tzo.com>  
To: <qrp-1@lehigh.edu>  
Subject: [120114] Re: Suggestion for gel cell charger?  
Message-ID: <012b01c1b702\$ebea4120\$0c00a8c0@home>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Dave" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, February 16, 2002 5:40 AM  
Subject: Re: Suggestion for gel cell charger?

> How does the charger know what battery is on the end?  
> Dave

It usually doesn't and that may be the source of problems, because the  
battery will know what charger is on the other end ;-) With different

battery types you will have a different terminal voltages along the charge/discharge curve. If you have, say NiCads with lower voltages connected to a lead acid charger expecting higher voltages there is a chance that too much current will flow for too long. This could result in anything from loss of capacity to split seams in the case. Reverse the example and the lead acids will perhaps never charge above 40%.

Analogous to using a sledge hammer to kill gnats or a fly swatter to stop a charging bull elephant. Your chances for success will correlate closely with how well the tool matches the task.

Gary WA6DTX

-----  
Date: Sat, 16 Feb 2002 11:29:48 -0500  
From: Jim - qrp/cw <kw3u@warwick.net>  
To: low pwr qrp <qrp-1@lehigh.edu>  
Subject: [120115] battery charger kit  
Message-ID: <3C6E88F9.7B1A3D74@warwick.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all;

After having no success finding a used smart charger, myself and another local purchased the A & A engineering smart charger kit (1 amp model).

We were both pleased with the operation after construction was completed.

All parts were accounted for and board construction was straightforward.

while the instructions weren't totally step by step there should be no problem

if you read the paperwork first. Believe me, if I could do it.....

The only nits I had at all were getting the two linecords/grommets installed-simply

a matter of squeezing it right with long nose pliers. Also the stayloc connectors that

go on the on/off switch were too tight-had to loosen them ever so slightly with a small screwdriver. The rubber feet were too small-big deal.

You can build this model for 500ma or 1 amp output by adding or leaving out

one .5 ohm resistor. I added a toggle switch on front panel so I could do either.

I used the 500ma (as recommended) for my 3 ah SLA's which I use for my hw-8 and ohr explorer II(built by Chuck Adams); and the 1 amp position for

my 25 ah SLA's.. worked absolutely great and had great fun monitoring the battery

voltage as it charged, then final charge, and finally shut itself down.

A happy camper (two of us actually), and have put the car battery charger

back in the garage where it belongs.

cost was about \$60 shipped (kit) and its available built also.

I highly recommend it.

72 Jim KW3U pike county EPA

-----  
Date: Sat, 16 Feb 2002 11:28:30 EST

From: WE7X@aol.com

To: myetsko@insydesw.com, qrp-1@lehigh.edu

Subject: [120116] Re: Suggestion for gel cell charger?

Message-ID: <d3.6a7f147.299fe2ae@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Mike,

I would think it would work just fine. Those are all "sealed" batteries

I use a Lester model 17030 battery charger for 24 volt (series string of 6V or 12V batteries) deep-cycle batteries. It is used for many medium capacity applications like golf carts, wheel chairs, and mobility aids. It has a switch on the front for 'Wet" batteries, and "Gell" batteries. The voltage setting for the "wet" battery is about 0.2 to 0.3 volts higher. I happen to have had a side business building electric golf carts.

The manual says the setting for wet (replaceable electrolyte) batteries is set at 2.5 volts per cell, where the "sealed/gel " setting is 2.37 volts per cell. This is to slightly reduce the chance of overcharging the sealed/gel battery and causing excessive pressure due to gassing, which is a common function of charging wet batteries when near the end of the charging cycle.

Lester Electrical has a web site at [www.lesterelectrical.com](http://www.lesterelectrical.com), but it does not give much (if any) technical information.

WE7X

Rod Johnson

-----  
Date: Sat, 16 Feb 2002 08:31:14 -0800 (PST)

From: Brad Mitchell <n8yg@yahoo.com>  
To: qrp-1@lehigh.edu  
Subject: [120117] Re:Press n Peel  
Message-ID: <20020216163114.467.qmail@web14703.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Thanks to all that responded.

I guess that I'll have to give it a try.  
I have made most of my boards, using the paper  
transfer  
method that worked pretty good, but not perfect.  
I even made several NN1G MK-II boards/transceivers  
using that method... Wow, that was getting close to  
10 years ago!

73 Brad N8YG

-----  
Do You Yahoo!?  
Yahoo! Sports - Coverage of the 2002 Olympic Games  
<http://sports.yahoo.com>

-----  
Date: Sat, 16 Feb 2002 09:21:05 -0700  
From: Monte Stark <ku7y@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [120118] FT-100/PSK31 Help Needed  
Message-ID: <3C6E86F1.1A36CCB7@qsl.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi All,

Can anyone who is using a FT-100 on PSK31, RTTY and other  
digital modes give me a hand?

If you also use either TR Log or DX4Win with both paddle  
input and rig keying that would be a BIG plus.

And if I could talk you into making some cables for me  
that would be FANTASTIC! :-)

Thanks in advance....

--

73,

Ron, KU7Y  
ku7y@qsl.net  
Full Time RVing somewhere in the West  
Currently in Brenda, AZ  
QRP-L #17

-----  
Date: Sat, 16 Feb 2002 11:41:48 -0500  
From: "Dave" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,  
jimdurkin@yahoo.com  
Subject: [120119] Re: How/Where to buy used qro rig?  
Message-ID: <3C6E457C.31143.D8988@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Hmmm, I wonder what your looking Price and age ??  
I have two Kenwoods I might part with ts940 or TS 680  
No pressure but as you are looking:-)  
Dave

-----  
Date: Sat, 16 Feb 2002 10:55:30 -0600  
From: "ukii" <ukii@core.com>  
To: <dk3red@t-online.de>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [120120] Re: 2 way QRP DX  
Message-ID: <001101c1b70a\$bfba5420\$481028d0@hans>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Steve...  
Let me say THANKS for your efforts  
to get a major DXpedition to QRP!  
This "should" have a drastic effect on the QRP  
population (albeit a short time).  
If the DX is calling qrp,for qrp only,



I wonder if everyone who didn't work the country  
will reduce power to work them?  
IF the dx team qsl's with a "2WAY QRP" qsl card,  
this would be a constant reminder to the owner of his  
or her achievement (honest or not!)  
Anyway,I am getting carried away because I am excited  
that this qrp event will happen...  
Good Luck Steve and keep us informed...

Thanks

john

n9ukx

----- Original Message -----

From: "Ingo, DK3RED" <dk3red@t-online.de>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: February 16, 2002 5:10 AM

Subject: Fwd: 2 way QRP DX

> ----- Original Message -----

> Betreff: [GQRP] 2 way QRP DX

> Datum: Sat, 16 Feb 2002 08:25:30 -0000

> Von: "Steven Taylor" <Steve.P.Taylor@btinternet.com>

>

> Hi All

>

> As a member of the team that will activate Mellish Reef ( using the call  
> VK9ML ) from 12 - 22 April 2002, I have negotiated to include some QRP  
> activity towards the end of the DXpedition, when conditions allow.

>

> This will consist of reducing the power output at VK9ML to 5W to allow  
> QRPers the opportunity of having a two way QRP QSO with this rare DXCC  
> country/entity.

>

> I will identify when the station is running QRP, but apart from that the  
> operation will be as normal, on the normal DXpedition frequencies (see  
> website <http://www.qsl.net/vk9ml/2002/> ), and will be taking all comers.

>

> I will of course be digging deep to copy the small signals throughout the  
> DXpedition (D68C style)

>

> If this is successful, we may see this type of operation becoming a  
> regular feature of DXpeditions.

>

> See you in the pileup!

>

>

> 73 Steve, G4EDG G-QRP # 892

>

> Perhaps if you subscribe to other QRP reflectors you could pass this  
> information on.  
>  
>  
> [Non-text portions of this message have been removed]  
>  
>  
> === Via the mailing list of the GQRP Club [www.gqrp.com](http://www.gqrp.com) ===  
>  
> Your use of Yahoo! Groups is subject to <http://docs.yahoo.com/info/terms/>  
>

-----  
Date: Sat, 16 Feb 2002 09:13:38 -0800 (PST)  
From: Jim Durkin <[jimdurkin@yahoo.com](mailto:jimdurkin@yahoo.com)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [120121] Responses to Where/How to buy used qro gear  
Message-ID: <20020216171338.21443.qmail@web13005.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Many useful responses on where to look for used qro  
radios. In case this is of interest, will list below.  
I cut and pasted these without credit to those who  
gave the advice since not sure they wanted the  
association.  
<<http://www.arrl.org/RadiosOnline/>>  
<<http://swap.qth.com/>>  
<<http://listings.ebay.com/aw/listings/list/all/category4670/index.html>>

There are reflectors for Kenwood, Yaesu, and Ten-Tec  
for sure. There are probably several more. Kenwood  
version via QSL.net. Said to have good advice and  
good service

<http://www.rec.radio.swap.com>  
<http://www.eham.net>  
"radios on line" at [www.arrl.org](http://www.arrl.org).  
"online swapmeet" at [www.qrz.com](http://www.qrz.com), and  
[www.hamradiomarket.com](http://www.hamradiomarket.com).

If you can listen to 3898 khz on monday and friday  
evening about 7:00 PM they have a traders net there. A  
lot of these guys buy and sell just to try out  
different rigs.

Any of the major dealers advertising in QST should have used equipment listings on their websites. I know that AES does.

Can get evaluations by users on different products at:  
<<http://www.eham.net/reviews/products/14>>

Did not realize so many radios available.

73

Jim

-----  
Do You Yahoo!?

Yahoo! Sports - Coverage of the 2002 Olympic Games  
<http://sports.yahoo.com>

-----  
Date: Sat, 16 Feb 2002 10:37:02 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: <adamn@n8software.com>  
Cc: qrp-l <qrp-l@lehigh.edu>  
Subject: [120122] Automatic Gel Cell Chargers  
Message-ID: <B893E6CE.11806%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

One of the easiest automatic gel-cell chargers I have seen was in the July 1989 Sky and Telescope. It charges the battery at constant current until a full charge is reached, then switches to a constant voltage for trickle charging and maintenance.

It is easy to build from parts found at your Radio Shack, and is effective. Your junk box probably has lots of the parts you need. It can be scaled for any size battery, within reason of course.

I wrote this up for Doug and he published it in the QRPP with one page projects.

For manual chargers, there is a good simple charger in "QRP Power". It is in a sidebar to the article on Dave Benson's NE4040 (now evolved to the SW-40+)

Let us know what you build and how it works out. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5  
Cedar Crest, NM DM65

-----  
Date: Sat, 16 Feb 2002 12:05:59 -0500  
From: "Frank Emens" <femens@hiwaay.net>  
To: <rondec@easystreet.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [120123] RE: [Elecraft] Grounding & Receivers  
Message-ID: <3C6E4B27.19320.17F6F37@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On the subject of right angle corners, etc. in a ground conductor, it is essential to avoid them if your goal is lightning protection.

It doesn't really have much to do with the mass of an electron -- it has everything to do with the incredibly short, steep rise time of a lightning discharge, either direct or induced. Looking at transient theory, the incredible rise time means that to contain and ground the pulse, one must avoid anything that will increase the inductance of the ground conductor. A sharp right angle corner will present enough of a series reactance lump to the wavefront that it may well decide to jump to a nearby conductor will give it a straighter path to earth rather than negotiate that corner.

When that happens it usually involves jumping to a conductor that you will NOT want to be involved in the grounding path.

Frank Emens  
femens@hiwaay.net

-----  
Date: Sat, 16 Feb 2002 10:16:40 -0800  
From: Bob Nielsen <nielsen@oz.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [120124] Re: Suggestion for gel cell charger?  
Message-ID: <20020216181640.GC25149@oz.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

The package for the Radio Shack charger says it will recharge lead-acid batteries (which is what gel cells are). I haven't tried it myself (yet). The instructions say not to condition lead-acid or NiMH cells, however.

Bob, N7XY

On Sat, Feb 16, 2002 at 08:24:27AM -0500, Alex wrote:

> I asked Maha a while back if their C-777 charger was suitable for gel  
> cells. They said they're for NiCd and NiMH only and can not be used for  
> gel cells.  
>  
> 73s,  
> --Alex  
>  
>  
> Mike Yetsko wrote:  
> >  
> > I have the Radio Shack charger that was a 'remark' from Maha that does  
> > NiCad, NiMH, and lead-acid. It was about \$49 or so. You see the things  
> > still in the front of QST a lot. Anyway, I wonder... Would that thing  
> > work  
> > on Gel Cells?  
> >  
> > Mike

-----  
Date: Sat, 16 Feb 2002 14:00:28 EST  
From: PDouglas12@aol.com  
To: qrp-l@lehigh.edu  
Subject: [120125] Need help finding Mary Cherry and Mike Czuhajewski  
Message-ID: <bf.1b827d4b.29a0064c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi guys, I need email addresses for these two folks. Anybody have 'em?

Thanks, Preston WJ2V

-----  
Date: Sat, 16 Feb 2002 14:41:08 -0500  
From: "Howard Kraus" <K2UD@adelphia.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [120126] Quiz  
Message-ID: <000701c1b721\$e19f45c0\$07633018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Test

-----  
Date: Sat, 16 Feb 2002 14:45:31 -0500  
From: "Dave" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
      K2UD@adelphia.net  
Subject: [120127] Re: Quiz  
Message-ID: <3C6E708B.8052.B5C327@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

The Answer is 5 Watts Or less!

Dave

-----  
Date: Sat, 16 Feb 2002 15:03:46 -0500  
From: fcs@juno.com  
To: qrp-1@lehigh.edu  
Subject: [120128] FS Keyer  
Message-ID: <20020216.150348.-3650245.5.fcs@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

MFJ-403P

Now I have too many keyers.

Who wants it?

\$50

Dick W2SCF

fcsww@juno.com

-----  
Date: Sat, 16 Feb 2002 15:59:35 -0500  
From: "Dave" <wr3i@earthlink.net>  
To: qrp-l@Lehigh.EDU  
Subject: [120129] A question for "G" stations?  
Message-ID: <3C6E81E7.4727.F991F6@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

I don't know if there are any British amateurs on this list but I am an expat and I am looking for information on an old! antenna that was around in the late 60's I want to build one and am not quit sure of the design. I think it was called a joystick? it was made from a 6foot or so Broom stick wrapped with aluminium foil and center loaded an a single wire from the to i think the wire was about 30 feet long it would tune all bands i Think?  
any body know any thing about this?

-----  
Date: 16 Feb 2002 14:30:03 MST  
From: "P.Ermisch" <ermisch@usa.net>  
To: qrp-l@Lehigh.EDU  
Subject: [120130] If I'd known it was this easy...  
Message-ID: <20020216213003.13003.qmail@cpdv203.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Just wanted to testify to other neophytes about this contest running this= weekend. I still get pretty anxious working CW though I'm pretty solid a= t 15wpm - however, this contest is so simple and the DX so easy to work (if= they can hear you) that I highly recommend it to others just getting comfortab= le with CW.

You can check out the ARRL site for the details but the exchanges are qui= ck

and easy. With a K1 and its two key memories, I can work most exchanges =  
at 25  
to 30 wpm without touching the paddles. Yes, I'm guilty of the "everybod=  
y's  
599" contest exchange but 'when in Rome...'

This is a good way to start your DXCC QRP list. In just a few hours: Cu=  
ba,  
Finland, Mexico, Djibouti, Japan, Russia, Ukraine, Denmark, France, and U=  
K. =

Many more that couldn't hear me at 3 watts. About half that I did confir=  
m had  
much trouble hearing me but were patient enough to work me through the QS=  
B. =

Check out K3WWP's site on contesting for more info as well.

73 KB0LUR  
Paul

-----  
Date: Sat, 16 Feb 2002 16:45:53 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [120131] Re: Suggestion for gel cell charger?  
Message-ID: <3C6ED311.A06C6313@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Dave wrote:

>  
> How does the charger know what battery is on the end?

It doesn't as Gary already said. The charger simply assumes what type of  
batteries are being charged. The charger follows the (known) charging  
curve of a particular battery type. For instance, it switches from fast  
charging to trickle charging when a certain voltage is reached. The  
charging curve is different for lead acid than it is to NiCd and NiMH.

73s,  
--Alex

-----



Date: Sat, 16 Feb 2002 21:56:03 -0000  
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>  
To: "QRP-1" <qrp-1@lehigh.edu>  
Subject: [120132] Re: A question for "G" stations?  
Message-ID: <006d01c1b734\$bdd32b80\$2b1687d9@duon>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dave,

It was called a "Joystick" by a company called Partridge I think. It was more or less a dummy load on a broomstick. Just about the only thing that radiated was the wire going to it!

I used to work for KW Electronics and the guys used to call it a "misery pole" due to the complaints we had from Customers who would hook up a KW2000 to one and expect to work the world.

Kind regards  
Tony - G4WIF

----- Original Message -----  
From: "Dave" wr3i@earthlink.net

> I don't know if there are any British  
> amateurs on this list but I am an  
> expat and I am looking for information  
> on an old! antenna that was  
> around in the late 60's I want to build  
> one and am not quite sure of  
> the design. I think it was called a joystick?  
> it was made from a 6foot  
> or so Broom stick wrapped with aluminium  
> foil and center loaded  
> an a single wire from the to i think the wire  
> was about 30 feet long it  
> would tune all bands i Think?  
> any body know any thing about this?

-----  
Date: Sat, 16 Feb 2002 16:52:34 -0500  
From: Alex <kr1st@amsat.org>

To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [120133] Re: Suggestion for gel cell charger?  
Message-ID: <3C6ED4A2.3275622E@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Bob Nielsen wrote:

>

> The package for the Radio Shack charger says it will recharge lead-acid  
> batteries (which is what gel cells are).

That's the reason I asked Maha. I thought I had shot myself in the foot  
by buying one from them a week before I saw the RS one.

> I haven't tried it myself

> (yet). The instructions say not to condition lead-acid or NiMH cells,  
> however.

When you condition the battery is simply discharges the battery at a  
constant current of about 400mA until a certain voltage is reached, then  
the charger switched to charging. I guess that lead acid batteries  
should never be discharged to the voltage level set for NiCd or NiMH  
batteries in order to avoid damage to the individual cells.

73s,  
--Alex

-----

Date: Sat, 16 Feb 2002 16:57:45 -0500  
From: "Dave" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,  
tony@g4wif.fsnet.co.uk  
Subject: [120134] Re: A question for "G" stations?  
Message-ID: <3C6E8F89.13896.12ED479@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

That's Funny!

My memory was not good enough to recall the  
performance but I was brain storming a suitable Motel/hotel  
antenna for qrp and That one came to mind I had one when I was  
in leicester  
dave

-----  
Date: Sat, 16 Feb 2002 22:38:59 -0000  
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>  
To: "QRP-1" <qrp-1@lehigh.edu>  
Subject: [120135] Re: A question for "G" stations?  
Message-ID: <024b01c1b73a\$c1883580\$2b1687d9@duon>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dave,  
One of Vern's superb pieces of engineering is ideal for hotel work. I think the web address is <http://www.superantennas.com/> .

I remember at last years Arkiecon visiting Gentleman Golfer Dave W7AQK who had one poking out of his hotel window. With an FT817 he was working stations all over the place. Vern's antennas aren't cheap but when you see how well engineered they are you will understand why. They collapse into a very small space too.

Kind regards  
Tony - G4WIF

----- Original Message -----  
From: "Dave" <wr3i@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, February 16, 2002 9:57 PM  
Subject: Re: A question for "G" stations?

> That's Funny!  
> My memory was not good enough to recall the  
> performance but I was brain storming a suitable Motel/hotel  
> antenna for qrp and That one came to mind I had one when I was  
> in leicester  
> dave  
>  
>

-----  
Date: Sat, 16 Feb 2002 17:38:32 -0500  
From: "Charles Mabbott" <aa8vs@msn.com>  
To: tony@g4wif.fsnet.co.uk, qrp-1@Lehigh.EDU

Subject: [120136] Re: A question for "G" stations?  
Message-ID: <F22aGut0w5fqghzKDjn0000e81a@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I have one and it works quite well and I completely feel  
the investment was worth every penny. Be sure and get the  
80 meter coil also.

73 oo

Chuck AA8VS

>From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>  
>Reply-To: tony@g4wif.fsnet.co.uk  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Re: A question for "G" stations?  
>Date: Sat, 16 Feb 2002 22:38:59 -0000  
>  
>Dave,  
>One of Vern's superb pieces of engineering is ideal for hotel work. I think  
>the  
>web address is <http://www.superantennas.com/> .  
>  
>I remember at last years Arkiecon visiting Gentleman Golfer Dave W7AQK who  
>had  
>one poking out of his hotel window. With an FT817 he was working stations  
>all  
>over the place. Vern's antennas aren't cheap but when you see how well  
>engineered they are you will understand why. They collapse into a very  
>small  
>space too.  
>  
>Kind regards  
>Tony - G4WIF  
>  
>  
>----- Original Message -----  
>From: "Dave" <wr3i@earthlink.net>  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Sent: Saturday, February 16, 2002 9:57 PM  
>Subject: Re: A question for "G" stations?  
>  
>  
> > That's Funny!  
> > My memory was not good enough to recall the  
> > performance but I was brain storming a suitable Motel/hotel  
> > antenna for qrp and That one came to mind I had one when I was  
> > in leicester

> > dave  
> >  
> >  
>

"Racial interaction is described by Physics,  
for every action there is an opposite  
reaction. We hate them, they hate us, and  
we hate them back. And there you are, we are  
trapped by mathematics."

-Londo B5

<http://aa8vs.dhs.org:81/aa8vs>

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

-----  
Date: Sat, 16 Feb 2002 15:45:48 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: <qrp-l@lehigh.edu>  
Subject: [120137] FOX: Cub Fox Web Page  
Message-ID: <Pine.LNX.4.33.0202161536530.3737-100000@Daisy.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

There has been business interfering with the Cub Fox Hunts. But  
with help from 3 Foxes we are back on track again. This afternoon I got  
the web page changed to reflect the changed schedule.

The last Cub Fox Hunt is coming on March 12, 2002 which is about a  
month from now. There will be some special features to the last Hunt. Keep  
tuned for details later

--  
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -  
<http://www.zianet.com/k5di/>

-----  
Date: Sat, 16 Feb 2002 17:06:08 -0600  
From: DENNIS SMITH <ne4o@swbell.net>  
To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [120138] JAN QQ  
Message-ID: <000501c1b73e\$854f32e0\$323ffea9@Default>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Has anyone gotten their JAN QQ yet. I wonder what is wrong this time?  
dennis w5vaf

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Date: Sat, 16 Feb 2002 18:10:52 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [120139] Counterpoise  
Message-ID: <3C6EE6FC.A646374A@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi there,

I was just experimenting with a hamstick 10 meter antenna and a 1/4 wave counterpoise. I always thought one could simply drape the counterpoise on the ground, but I found that I had to elevate the full length of the counterpoise at about 20" to get a perfect SWR. When I drape it on the ground I can only get the SWR down to an acceptable value with the tuner.

I'm doing all this indoors and I have a concrete floor which I suspect is interfering with my experiment. The goal is to have a simple antenna system that I can use with a HTX-10 powered by a gel cell to use in a park or on the beach. Am I wrong that you can drape a insulated counterpoise on the ground?

Thanks and 73s,  
--Alex

-----  
Date: Sat, 16 Feb 2002 17:25:08 -0600  
From: "pschweit" <pschweit@mninter.net>

To: <jdorson@Worldshare.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [120140] Re: Double Posts ?  
Message-ID: <003701c1b741\$2eb8ba20\$8ee6add1@pschweit>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I do get them but it is due to problems between my home computer and my server

Phil Ka0pgq

----- Original Message -----

From: John Dorson <jdorson@Worldshare.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Saturday, February 16, 2002 7:11 AM  
Subject: Re: Double Posts ?

> I still get them but not as many as before.

>

> John K2JHU..

> ----- Original Message -----

> From: "N3BJ" <alanfryer@email.msn.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Friday, February 15, 2002 6:28 PM  
> Subject: Double Posts ?

>

>

> > Anyone else getting double posts from QRP-L or is it just me ?

> >

> > Alan, N3BJ

> >

>

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Date: Sat, 16 Feb 2002 18:26:26 -0500  
From: "Ron Polityka" <wb3aal@fast.net>  
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>  
Subject: [120141] Re: Ron WB3AAL on 10.106 at 1905 UTC  
Message-ID: <018b01c1b741\$61f22160\$f2e65cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit

Hello,

Well today we had a late start than what was planned.  
We finally got on the road by 16:30 UTC and we were  
on the Appalachian Trail by 17:15 UTC.

We hiked in to the following location:  
Eagles Nest Shelter, PA  
Coordinates 40 32' 58" N 76 9' 6" W  
This is on the Blue Mountains between Strausstown, PA  
and Port Clinton, PA. We hiked on the service road which  
parallel the AT. Then we got on the AT where it crossed  
the road and hiked to the shelter. This was a 4.5 mile hike  
which we did in 1 hour and 20 minutes with one short stop.  
Not bad for carrying a 40 lb. pack. That is an average of  
3.25 miles an hour, not bad for my first hike of the year.  
"The Mule" was in high gear today. :-)

My hiking partner was Ed, WA3WSJ and his dog Trevor.  
Ed just can along for the hike and to enjoy the scenery.

After setting up the antenna I got my K2 on 10.106 MHz  
and called CQ. I had a small run going and I contacted the  
following station:

|       |        |    |
|-------|--------|----|
| N3AO  | Carter | PA |
| W2SCF | Dick   | NJ |
| K3NG  | Goody  | PA |
| K2PQ  | Frank  | NJ |
| N3WST | Bill   | PA |
| W3WDI | Ed     | PA |
| NF0R  | Dave   | MO |

I was using my K2 at 5 watts and a 66' doublet with a RG8X  
Feedline.

I had a ball and I would like to thank everyone for making the  
day even more enjoyable. The temp. was in the high 40's and  
sunny with a 5 mph breeze.

See you next month from the AT in PA. When I go out in March,  
this will make it 2 years straight, every month, of going out and  
operating from the AT QRP.

72 & 73  
Good DXing

Ron Polityka



de WB3AAL  
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv  
http://www.n3epa.org  
Eastern Pennsylvania QRP Club Call  
N3EPA E-mail address: n3epa@fast.net

|                 |                    |
|-----------------|--------------------|
| EPA QRP #1      | ARRL Life Member   |
| KL7 QRP # 309   | G-QRP # 3031       |
| ARCI QRP # 5318 | 10 - X #13173      |
| NorCal          | ARS # 380          |
| HI QRP #153     | VA QRP Society #45 |
| MI QRP #1703    | K2 sn1392          |
| NJ QRP #179     | ARLHS #423         |
| K1 sn1011       |                    |

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Date: Sat, 16 Feb 2002 18:38:14 -0500  
From: "Ron McConnell" <rcmcc@earthlink.net>  
To: <njqrp@njqrp.org>, "HFpack" <hfpack@yahooogroups.com>,  
"QRP-L" <qrp-l@lehigh.edu>,  
Cc: <n4hhe@yahoo.com>, <joe@mehaffey.com>, <wa2omu@yahoo.com>  
Subject: [120142] NiMH AA cells, capacity test report, more info  
Message-ID: <000001c1b743\$01faf3c0\$abcba441@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Below is some more info on NiMH, vs. NiCd,  
vs. alkaline cells from various sources.  
I'm cross-posting a summary back across.  
Someone should write a booklet.

Ron w2iol

Jerry WA20MU <wa2omu@yahoo.com> on HFpack  
recommends Eveready L91 type  
1.6V lithium cells for non-rechargeable cells.  
4 @ \$10 at KMart camera dept. vs. \$14 at Radio Shack.  
He points out that data on many cell types  
(alkaline, NiCd, NiMH, lithium, carbon-zinc,  
zinc-air) can be found at

<http://data.energizer.com/>

David Kelly, n4hhe@yahoo.com on  
alt.satellite.gps says,  
"...real camera shops will stock the  
special high current alkaline batteries  
(a special Duracell model is what I remember  
seeing most) as not only digital cameras  
require them, but many electronic flashes as well."

In a \_quick\_ look at  
<http://www.duracell.com>  
I didn't see special photo \_alkaline\_ AA cells.

Also from Joe Mehaffey, joe@mehaffey.com,  
[cross-posted verbatim without Joe's  
explicit permission]:

"Subject: Re: Anybody try using Ni-Cad  
or Ni-MH batteries in a GPS-V?  
Date: Fri, 15 Feb 2002 20:05:11 -0500  
From: Joe Mehaffey <joe@mehaffey.com>  
Newsgroups: alt.satellite.gps

Joe M.: "Digital Cameras take upwards of 1 amp  
and more and alkalines have a great deal  
of problems (and short life) when delivering  
one amp. GPSRs by comparison have current draws  
of maybe 80 to 160ma. This is still above  
the 10ma (or so) current draw of the specification  
(2800mah at 10ma is typical for AA alkalines)  
but still within ratings of the alkalines.  
At about 120ma, AA Alkalines will give  
about 1800mah. Thus, the ENERGY CAPACITY  
of a particular battery can vary dramatically  
depending on the rate current is drawn from it."

Joe M.: "Where does the "missing" energy go?  
Into heating the battery.  
Some capacity loss can result from  
undesirable chemical processes  
if the battery gets too hot."

Joe M.: "I have a Kodak DC-240 camera  
that simply will not operate on alkalines.  
It requires NiCad or NiMH AA cells  
due to the high current."

[I received a DC-240 camera as a surprise gift a couple of years ago. The only batteries I had with me were Ray-O-Vac rechargeable alkalines AAs, freshly charged. Barf! I thought the camera was busted. \_Later\_ I learned about digital camera big peak currents and the extreme lack of peak current capacity of the rechargeable. w2iol]

Joe M.: "So.. When you take numbers (like NiMH lasts 4 times longer than Alkalines) You must state your application parameter (in this case, current draw in a camera application) or some one thinking about "GPS applications" will not understand."

Joe Mehaffey  
<http://joe.mehaffey.com>  
[highly recommended web site! w2iol]

This particular discussion and the link  
<<http://www.imaging-resource.com/ACCS/BATTS/BATTS.HTM>>  
came from the alt.satellite.gps newsgroup,  
not sci.geo.satellite-nav as I thought.  
Apparently it was on s.g.s-nav earlier  
and it's back again now.

About 30 years ago I was smart enough  
to figure out that investing in battery  
companies would be a good investment.  
Unfortunately, I never seemed to have  
the free US\$ to do anything about it. :)

Cheers, 73

Ron McConnell  
w2iol

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Date: Sat, 16 Feb 2002 18:38:19 -0500  
From: "Dave" <[wr3i@earthlink.net](mailto:wr3i@earthlink.net)>  
To: "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>,  
[kr1st@amsat.org](mailto:kr1st@amsat.org)

Subject: [120143] Re: Counterpoise  
Message-ID: <3C6EA71B.23634.18AEAF8@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

You can drape it on the ground but you would have to change its length to get match

Dave  
W1QB

-----  
Date: 16 Feb 2002 18:46:45 EST  
From: Michael Goins <mgoins@usa.net>  
To: qrp-l@lehigh.edu  
Subject: [120144] anyone using magnetic loops?  
Message-ID: <20020216234646.16988.qmail@umdv008.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Anyone on the list using the MFJ 1786, one of the old AEA loops, or a homebrew loop? Living in an apartment is making me crazy, and I sure would like to talk to you. Please email me off list. Thanks.

mike  
wb5yjsx  
1 watt all the time =

-----  
Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

-----  
Date: Sat, 16 Feb 2002 18:59:03 -0500  
From: David Snowdon <norway@passport.ca>  
To: QRP-L mail list <qrp-l@Lehigh.EDU>  
Subject: [120145] RF parts for sale  
Message-ID: <3C6EF2473B6.D36ENORWAY@smtp.passport.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

I have four sets of RF components that I would like to sell  
for \$25US plus \$4 shipping via Canada Post. Each set consists of:

10 3.20MHz HC-18 crystals  
10 8.87MHz " " " (marked as 2449)  
10 10.7MHz Murata SFE10.7MA5A  
  
10 2N3563 NPN 200mW; 12V 50mA 600MHz T0-92 (marked as 151 0427 00)  
20 2N3904 NPN GEN-Purpose 300MHz 40V 200mA 600MW T0-92  
20 2N3906 PNP GEN-Purpose 300MHz 40V 200mA 600MW T0-92  
10 2N4360 pFET 20V 30mA 700ohms 2-8mMho RF/VHF T092  
5 2SC1909 NPN 75Vceo 3A 5.5W@27MHZ Ft=160MHz T0-220  
5 2SC2075 NPN 80Vceo 1A, 3.5W at 27MHz, T0220 (similar to MRF476)  
10 MRF607 NPN 175MHZ 1.75Wo 0.1Win 11.5dB 12.5V T0-39

If interested, please e-mail me at: [norway@passport.ca](mailto:norway@passport.ca)

Thanks,  
David Snowdon, VA3DKS

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End of QRP-L Digest 2468  
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